



# National Weather Service

## Storm Data and Unusual Weather Phenomena



January 1998

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

### SOUTH DAKOTA, West

SDZ029

Southern Black Hills

08 1500MST  
09 0100MST

0 0

Heavy Snow

Localized heavy snow fell in the higher elevations of the Southern Black Hills, just north of Custer. The maximum snowfall was 9 inches at Crazy Horse Memorial.



# National Weather Service

## Storm Data and Unusual Weather Phenomena



February 1998

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

### SOUTH DAKOTA, West

**SDZ001>002-012>013-024>026-028-030>031**      **Harding - Perkins - Butte - Meade Co. Plains - Northern Black Hills - Northern Foot Hills - Central Foot Hills - Central Black Hills - Custer Plains - Pennington Plains**

<b>24</b>	<b>1200MST</b>	<b>0</b>	<b>0</b>	<b>Blizzard</b>
<b>28</b>	<b>2359MST</b>			

A powerful winter storm brought widespread blizzard conditions to northwest (and parts of west central) South Dakota between February 24 and 28. Snow accumulations between 10 and 20 inches were common along the northern foothills surrounding the Black Hills and on the plains to the north and east. In the Black Hills, National Weather Service cooperative observes recorded the following snow accumulations between February 24 and 28: 63 inches at Galena, 48 inches at Lead. Unofficial observations included a 72 inch accumulation south of Lead, and a 90 inch accumulation at Icebox Canyon southwest of Lead.

Widespread blowing and drifting snow halted air and land traffic throughout west central South Dakota as numerous highways and the Rapid City Regional Airport were closed at various times between the 24 and 28. Snow drifts up to 12 feet were observed in the Black Hills, with drift heights up to 7 feet observed 40 miles to the east of the Black Hills on the plains

### WYOMING, Northeast

**WYZ055**

<b>South Campbell</b>				
<b>18</b>	<b>0630MST</b>	<b>0</b>	<b>0</b>	<b>Ice Storm</b>

Freezing drizzle and freezing fog produced widespread icy roads. A driver was injured when his car slid off state highway 387.

**WYZ054>058**

<b>Gillette - South Campbell - Moorcroft - Wyoming Black Hills - Weston</b>				
<b>24</b>	<b>0600MST</b>	<b>0</b>	<b>0</b>	<b>Blizzard</b>
<b>28</b>	<b>2330MST</b>			

A powerful winter storm produced blizzard conditions between February 24 and 28; with snow accumulations between 6 and 16 inches and sustained winds around 40 mph over most of northeast Wyoming. Snow drifts up to 16 feet were observed in the Gillette area. Numerous schools, coal mines and roads (including Interstate 90) were closed during the storm.



# National Weather Service

## Storm Data and Unusual Weather Phenomena



March 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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### SOUTH DAKOTA, West

SDZ024

Northern Black Hills

01 0001MST  
1800MST

0 0

Blizzard

A powerful winter storm which began February 24th brought blizzard conditions to the northern Black Hills for five days. Blowing and drifting snow halted traffic through out the northern Black Hills with some snow drifts as high as seven feet deep.

SDZ026>029-041>042

Central Foot Hills - Southern Foot Hills - Central Black Hills - Southern Black Hills - Fall River Co. - Shannon

04 0400MST  
1600MST

0 3

Heavy Snow

A heavy snow event occurred during the early morning and afternoon hours resulting in snow amounts of five to eight inches over the southern Black Hills and southwest South Dakota. Numerous accidents were reported due to slick roads. One accident reported 3 people injured; none seriously.

SDZ026>027-031-  
041>044-046>047-049

Central Foot Hills - Southern Foot Hills - Pennington Plains - Fall River Co. - Shannon - Jackson - Bennett - Mellette -  
Todd - Tripp

06 0800MST  
07 0900MST

0 0

Heavy Snow

Another winter storm brought heavy snow to southwest and south central South Dakota. Accumulations ranged from 5 to 12 inches. Northeast winds of 15 to 30 mph resulted in low visibilities due to blowing and drifting snow. Over 40 accidents were reported in western South Dakota, nine with minor injuries.

SDZ001-012-012>014-  
024>032-041>043

Harding - Butte - Meade Co. Plains - Ziebach - Northern Black Hills - Northern Foot Hills - Central Foot Hills - Southern  
Foot Hills - Central Black Hills - Southern Black Hills - Custer Plains - Pennington Plains - Haakon - Fall River Co. -  
Shannon - Jackson

28 0400MST  
29 2100MST

0 0

Winter Storm

A weekend snow storm produced six to eighteen inches of wet snow across western through south central South Dakota. The heaviest snow fell over areas just east and south of the Black Hills and the central and southern Black Hills where 12 to 18 inch accumulations were common.

### WYOMING, Northeast

WYZ054-056>057

Gillette - Moorcroft - Wyoming Black Hills

04 0400MST  
1600MST

0 0

Heavy Snow

A heavy snow event occurred during the early morning and afternoon hours resulting in snow amounts of five to eight inches over northeast Wyoming including the Wyoming Black Hills.

WYZ054>058

Gillette - South Campbell - Moorcroft - Wyoming Black Hills - Weston

28 1000MST  
29 1800MST

0 0

Winter Storm

A weekend snow storm produced anywhere from six to twelve inches of wet snow over northeast Wyoming. The heaviest snow fell over central campbell county, around Gillette where 12 inch accumulations were common.



# National Weather Service

## Storm Data and Unusual Weather Phenomena



May 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage Property Crops	Character of Storm
Killed	Injured							
<b><u>SOUTH DAKOTA, West</u></b>								
<b>Pennington County</b>								
6 NE Hill City	13	1818MST			0	0	0.50K	Hail (1.75)
		Hail broke car windshield.						
<b>Pennington County</b>								
13 W (Rap)Rapid City A	13	1845MST			0	0		Hail (0.75)
10 W (Rap)Rapid City		1848MST						
Arpt								
<b>Tripp County</b>								
8 S Colome	14	1830CST			0	0	1K	Hail (1.75)
		Hail broke two house windows .						
<b>Fall River County</b>								
10 SSE Hot Spgs	20	1530MST			0	0		Hail (0.75)
<b>Fall River County</b>								
7 NW Edgemont	20	1535MST	5	.1	0	0		Tornado (F0)
<b>Fall River County</b>								
Hot Spgs	20	1535MST			0	0		Hail (1.00)
<b>Fall River County</b>								
7 S Hot Spgs	20	1635MST			0	0		Hail (1.00)
<b>Fall River County</b>								
Oelrichs	20	1715MST			0	0		Hail (1.75)
<b>Fall River County</b>								
Hot Spgs	20	1821MST			0	0		Hail (1.75)
<b>Fall River County</b>								
Oelrichs	23	1520MST			0	0		Hail (1.25)
		Hail covered ground up to two inches in depth.						
<b>Fall River County</b>								
Oelrichs	23	1526MST			0	0		Hail (1.50)
<b>Pennington County</b>								
6 W Hill City	25	1455MST			0	0		Hail (0.75)
<b>Fall River County</b>								
Edgemont	29	1907MST			0	0		Hail (1.00)
<b>Fall River County</b>								
Edgemont	29	1910MST			0	0		Hail (1.75)
<b>Fall River County</b>								
Edgemont	29	1915MST			0	0		Hail (2.50)
<b>Shannon County</b>								
10 W Pine Ridge	29	2350MST			0	0		Hail (0.75)
<b>Shannon County</b>								
Oglala	30	0000MST 0030MST			0	0		Hail (1.25)
<b>Shannon County</b>								
5 N Pine Ridge	30	0015MST			0	0		Hail (2.75)
<b>Shannon County</b>								
Pine Ridge	30	0015MST			0	0		Hail (1.75)
<b>Shannon County</b>								
Pine Ridge	30	0115MST			0	0		Hail (0.75)
<b>Butte County</b>								
18 N Belle Fourche	30	1315MST			0	0		Thunderstorm Wind (G61)



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## Storm Data and Unusual Weather Phenomena



May 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

### SOUTH DAKOTA, West

<b>Harding County</b>									
11 N Redig	30	1315MST			0	0	2K		Hail (1.00)
									Hail broke several windows.
<b>Butte County</b>									
18 N Belle Fourche	30	1320MST			0	0			Hail (1.00)
<b>Harding County</b>									
28 E Redig	30	1345MST			0	0			Hail (1.00)
<b>Butte County</b>									
12 NE Newell	30	1355MST			0	0			Hail (1.00)
<b>Meade County</b>									
Stoneville	30	1430MST			0	0			Hail (0.75)
<b>Meade County</b>									
5 N Enning	30	1445MST			0	0			Hail (1.75)
<b>Meade County</b>									
Faith	30	1457MST			0	0			Hail (0.75)
<b>Meade County</b>									
Plainview	30	1458MST			0	0			Thunderstorm Wind (G52)
<b>Meade County</b>									
Howes	30	1500MST			0	0			Hail (2.00)
<b>Pennington County</b>									
Creighton	30	1502MST			0	0			Hail (2.50)
<b>Pennington County</b>									
18 NE Creighton	30	1502MST			0	0			Hail (2.50)
<b>Meade County</b>									
Howes	30	1505MST			0	0			Thunderstorm Wind (G52)
									Tractor-trailer semi blown off road.
<b>Haakon County</b>									
Billsburg	30	1530MST			0	0			Hail (0.75)
<b>Haakon County</b>									
Milesville	30	1530MST			0	0			Hail (1.75)
<b>Haakon County</b>									
3 NW Milesville	30	1530MST			0	0			Hail (0.75)
<b>Haakon County</b>									
17 N Midland	30	1600MST			0	0			Hail (2.50)

### WYOMING, Northeast

<b>Weston County</b>									
1 S Morrisey	20	1420MST	5	.1	0	0			Tornado (F0)
<b>Campbell County</b>									
Wright	26	1655MST			0	0			Hail (0.75)



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June 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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### SOUTH DAKOTA, West

SDZ024-028

Northern Black Hills - Central Black Hills

02 2100MST  
03 0700MST

0 0

Heavy Snow

A late season snow event covered the northern and central Black Hills under 5 to 10 inches of snow. The surrounding plains also received snow, amounts were much less, however, in the 1 to 3 inch range. A new record low of 32 degrees was also set in Rapid City.

Ziebach County  
2 W Glad Vly

16 1630MST  
windows broken

0 0

Hail (1.75)

Todd County  
Rosebud

17 1726MST

0 0

Hail (1.00)

Mellette County  
Wood

17 1812MST

0 0

Hail (0.75)

Meade County  
5 NW Sturgis to  
10 NW Sturgis

18 0600MST  
1600MST

0 0

Urban/Sml Stream Fld

Pennington County  
35 E Rapid City to  
15 E Rapid City

18 0600MST  
1600MST

0 0

Urban/Sml Stream Fld

SDZ001-013>014-026-  
031>032-043

Harding - Meade Co. Plains - Ziebach - Central Foot Hills - Pennington Plains - Haakon - Jackson

18 0730MST  
1615MST

0 0

High Wind (G78)

Lawrence County  
Deadwood

18 0800MST  
1600MST

0 0

Urban/Sml Stream Fld

Butte County  
Belle Fourche to  
30 E Belle Fourche

18 1000MST  
1600MST

0 0

Urban/Sml Stream Fld

Heavy rain over the northern and central Black Hills, and the northern and central foothills caused some area creeks to rise out of their banks and resulted in some low land flooding. Some roads were closed in the Deadwood area. Strong winds were also associated with the precipitation in Northwest and Western South Dakota.

SDZ002-012

Perkins - Butte

18 2100MST  
21 1800MST

0 0

Flood

Heavy rain during the overnight and afternoon hours of the 17th and 18th resulted in low land flooding along the south fork of the Moreau river in northern Butte county and later along the mainstream of the Moreau river in southern Perkins county. The heavy rains also caused some low land flooding along the Cheyenne river, downstream of the confluence with the Belle Fourche river in southern Perkins county. No injuries or damage were reported with the flooding along either river.

Pennington County  
10 E Scenic

19 1800MST

0 0

Hail (1.50)

Pennington County  
Wall

19 1810MST

0 0

Thunderstorm Wind (G52)

Jackson County  
Wanblee

19 1835MST  
20 1835MST

0.1 1

0 0

Tornado (F0)

Mellette County  
3 E Norris

19 1910MST

0 0

0.50K

Hail (2.75)

Broken windows and some crop damage.



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<b><u>SOUTH DAKOTA, West</u></b>									
<b>Lawrence County</b>									
19 NW Deadwood	22	1849MST	0	0	0	0			Tornado (F0)
<b>Meade County</b>									
12 SW Hereford	23	1625MST			0	0			Hail (0.88)
<b>Meade County</b>									
12 SW Hereford	23	1640MST			0	0			Hail (1.75)
<b>Meade County</b>									
10 NW Ellsworth Afb	23	1703MST 1715MST	5	200	0	0			Tornado (F0)
<b>Mellette County</b>									
1 W White River	23	1721MST			0	0			Hail (1.75)
<b>Meade County</b>									
10 NNW Ellsworth Afb	23	1730MST	0.1	150	0	0	1K		Tornado (F0)
A corral was damaged and some fences were taken out by the tornado.									
<b>Meade County</b>									
6 N Ellsworth Afb	23	1750MST 1755MST	3	150	0	0			Tornado (F0)
<b>Todd County</b>									
5 N Olsonville	23	1803MST	0.1	150	0	0			Tornado (F0)
<b>Pennington County</b>									
11 N Wall	23	1936MST			0	0			Hail (1.75)
<b>Fall River County</b>									
3 W Hot Spgs	24	1620MST 1625MST	0.3	66	0	1	166K		Tornado (F1)
A roof was blown off a house, and two campers and a boat trailer were damaged. A mobile home was also destroyed with a young man on the porch of the house thrown.									
<b>Custer County</b>									
Fairburn	24	1724MST			0	0	50K		Thunderstorm Wind (G52)
A vacant mobile home was destroyed, a roof was torn off a shed and two twelve inch diameter trees were blown down.									
<b>Custer County</b>									
Hermosa	24	1734MST			0	0			Thunderstorm Wind (G54)
<b>Pennington County</b>									
7 SW Rapid City	24	1740MST			0	0			Hail (0.75)
<b>Meade County</b>									
Black Hawk	24	1747MST			0	0			Hail (0.75)
<b>Pennington County</b>									
8 E Rapid City	24	1747MST			0	0			Thunderstorm Wind (G50)
<b>Pennington County</b>									
Caputa	24	1755MST			0	0			Thunderstorm Wind (G52)
Some tree damage.									
<b>Pennington County</b>									
10 S Wall	24	1800MST			0	0			Thunderstorm Wind (G51)
<b>Meade County</b>									
Elm Spgs	24	1822MST			0	0			Thunderstorm Wind (G61)
Large tree blown over									

As thunderstorms passed over the southwest corner of South Dakota, a brief tornado touched down in the Hot Springs area. One person was injured when the porch of the mobile home he was standing on was destroyed. The mobile home was also destroyed. The roof of a nearby home was torn off by the same tornado as well as damaging two campers and a boat trailer. This same storm later resulted in high winds of 55 to 70 mph which raced across west central South Dakota, east of the Black Hills. A vacant mobile



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June 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

### SOUTH DAKOTA, West

home was destroyed along with a roof being torn off a shed in the Fairburn area.									
<b>Lawrence County</b>									
<b>Spearfish</b>	26	1420MST			0	0			<b>Hail (0.88)</b>
<b>Meade County</b>									
<b>7 N Howes</b>	26	1615MST			0	1			<b>Hail (4.50)</b>
A motorist was injured by broken glass and hail.									
<b>Haakon County</b>									
<b>2 SW Kirley</b>	26	1735MST			0	0			<b>Hail (2.75)</b>
Numerous broken windows.									
<b>Haakon County</b>									
<b>15 E Milesville</b>	26	1745MST			0	0			<b>Hail (2.75)</b>
Barn damaged along with some broken skylights									

### WYOMING, Northeast

<b>WYZ057</b>	<b>Wyoming Black Hills</b>								
	02	2100MST			0	0			<b>Heavy Snow</b>
	03	0700MST							
A late season snow event resulted in three to eight inches of snow in the Wyoming Black Hills.									
<b>Weston County</b>									
<b>20 NW Newcastle</b>	11	1120MST	0	.5	0	0			<b>Tornado (F0)</b>
Atmospheric conditions over eastern Weston county resulted in some cold air funnels with brief touchdowns near the Newcastle area. No damage or injuries were reported with the tornadoes.									
<b>Crook County</b>									
<b>9 SE Sundance</b>	13	1530MST 1535MST			0	0			<b>Hail (1.00)</b>
<b>Crook County</b>									
<b>9 SE Sundance to 10 SE Sundance</b>	13	1530MST 1537MST	1.5	20	0	0	20K		<b>Tornado (F1)</b>
Damage was sustained to a three car garage, several bam roofs, several campers, and a home satellite dish									
<b>Campbell County</b>									
<b>Weston</b>	22	1550MST			0	0			<b>Hail (1.00)</b>
<b>Campbell County</b>									
<b>Weston</b>	22	1550MST			0	0			<b>Thunderstorm Wind (G52)</b>
<b>Campbell County</b>									
<b>10 NE Weston</b>	22	1555MST			0	0			<b>Hail (1.75)</b>
<b>Campbell County</b>									
<b>Weston</b>	22	1700MST 2000MST			0	0			<b>Flash Flood</b>
General flooding was reported near Weston with stock ponds overflowing and roads being threatened.									
<b>Crook County</b>									
<b>12 SW Sundance</b>	22	1713MST			0	0			<b>Hail (2.75)</b>





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<b><u>SOUTH DAKOTA, West</u></b>								
Lawrence County Roubaix	01	1405MST			0	0		Hail (1.75)
Lawrence County 5 SW Nemo	01	1415MST			0	0		Hail (1.50)
Pennington County 2 NE Silver City	01	1420MST 1430MST			0	0		Hail (1.75)
Fall River County 2 W Hot Spgs	01	1630MST 1645MST	0.1	.1	0	1	150K	Tornado (F1) HOUSE DESTROYED ON PROPERTY OF EMERGENCY MANAGER; NEARBY HOUSES AND OTHER STRUCTURES HAD ROOF DAMAGE.
Mellette County 5 E Norris	01	1808MST	0	0	0	0		Tornado (F0)
Todd County Rosebud	01	1815MST 1915MST			0	0		Flash Flood HEAVY RAINS UP TO THREE INCHES IN ONE HOUR CAUSED MINOR FLOODING IN THE AREA.
Todd County Rosebud	01	1915MST			0	0		Hail (1.75)
Todd County 4 SW St Francis	01	1926MST	0.1	.1	0	0	50K	Tornado (F1) A SMALL TRAILER WAS TURNED OVER.
Shannon County 4 N Manderson	03	0140MST			0	2		Flash Flood HEAVY RAINS WASHED OUT A PORTION OF BIA ROAD #33 AND TWO AGENCY OFFICIERS DROVE INTO THE WASH OUT.
Butte County 2 W Belle Fourche	05	2053MST			0	0		Hail (1.50)
Butte County 2 W Belle Fourche	05	2053MST			0	0		Thunderstorm Wind (G60)
Butte County Belle Fourche	05	2100MST			0	3	3M	Hail (4.00) NEARLY EVERY HOME, BUSINESS AND VEHICLE IN THE CITY WAS BADLY DAMAGED.
Butte County Belle Fourche	05	2104MST			0	0		Tstm Wind/Hail LARGE HAIL DRIVEN BY OVER 60 MPH WINDS CAUSED MAJOR DAMAGE ACROSS THE CITY AND SURROUNDING AREA.
Butte County Newell	05	2130MST			0	0		Thunderstorm Wind (G60) MANY BROKEN TREE BRANCHES.
Ziebach County 10 S Glad Vly	06	0607MST			0	0		Hail (1.00)
Haakon County 1 W Midland	06	0933MST			0	0		Hail (1.00)
Haakon County 1 SW Nowlin	06	0944MST			0	0		Hail (1.75) ACCOMPANIED BY 1.2 INCHES OF RAIN IN 20 MINUTES.



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<b><u>SOUTH DAKOTA, West</u></b>									
<b>Pennington County</b> 5 W Rapid City	06	1645MST			0	0		Hail (0.75)	
<b>Butte County</b> .5 N Belle Fourche	06	1650MST			0	0		Thunderstorm Wind (G75)	
ALSO RECEIVED 1.55 INCHES OF RAIN IN 25 MINUTES.									
<b>Ziebach County</b> Cherry Creek	06	1837MST			0	0		Funnel Cloud	
<b>Meade County</b> Faith	06	2038MST 2045MST			0	0	500K	Thunderstorm Wind (G80)	
MANY TREES AND STRUCTURAL DAMAGE.									
<b>Perkins County</b> 50 SSW Lemmon	06	1700MST 1710MST			0	0	200K	Thunderstorm Wind (G90)	
DAMAGE OCCURRED TO THE KOLB AIR SPRAYING SERVICE. TOALED WERE TWO AIRPLANES AND A HANGER, WITH ANOTHER AIRPLANE SEVERLY DAMAGED. IN ADDITION TREES WERE UPROOTED AND THE STORM SUCKED THE WATER OUT OF A STOCK DAM 5 NW.									
<b>Lawrence County</b> Cheyenne Crossing	08	1040MST			0	0		Hail (1.00)	
<b>Mellette County</b> 9 SE Norris to 6 NE Wood	08	1134MST 1200MST			0	0		Funnel Cloud	
NUMEROUS REPORTS OF FUNNEL CLOUDS ACROSS SOUTHERN MELLITTE COUNTY.									
<b>Tripp County</b> 25 NNW Winner to 10 NW Winner	08	1150MST	0	0	0	0		Tornado (F0)	
BRIEF TOUCHDOWN NEAR LONG VALLEY.									
<b>Tripp County</b> 20 NNW Winner to Winner	08	1200MST			0	1		Funnel Cloud	
FUNNEL CLOUDS CONTINUED AS THE STORMS MOVED INTO TRIPP COUNTY.									
<b>Pennington County</b> Rapid City	08	1215MST			0	0		Hail (1.25)	
OVER NORTH RAPID CITY									
<b>Pennington County</b> Rochford	08	1155MST			0	1		Lightning	
A VOL. FIREMAN ACTING AS A STORM SPOTTER, WAS STRUCK BY LIGHTNING; SUFFERING SUSTAINING MAJOR INTERNAL INJURIES.									
<b>Harding County</b> Buffalo Arpt	11	2026MST			0	0		Thunderstorm Wind (G67)	
<b>Meade County</b> Piedmont to Ellsworth Afb	14	0215MST 1623MST			0	0		Hail (1.75)	
STORMED MOVED EAST ACROSS SOUTHERN MEADE CONUTY.									
<b>Pennington County</b> Rapid City to 5 E Rapid City	14	1740MST 1751MST			0	0		Hail (1.00)	
STORMED MOVED EAST ACROSS NORTHERN PENNINGTON COUNTY AND RAPID CITY.									
<b>Pennington County</b> Rochford	15	1030MST			0	0		Hail (1.00)	



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>SOUTH DAKOTA, West</u></b>									
Pennington County 3 SE Deerfield	15	1506MST			0	0			Hail (1.00)
Pennington County Hill City to 3 WSW Keystone	17	0215MST 0240MST			0	0			Hail (1.00)
Lawrence County 2 E Deadwood	18	2100MST			0	0			Lightning
		LIGHTNING FIRE BURNED .2 ACRES OF GRASS AND PINE TREES.							
Custer County 5 E Custer	19 20	2300MST 0800MST			0	0			Lightning
		LIGHTNING CAUSED .5 ACRE FIRE IN PINE TREES AND GRASS, IN CUSTER STATE PARK.							
Custer County 5 W Hermosa	20	2230MST			0	0			Thunderstorm Wind (G70)
Lawrence County Spearfish	23	0700MST 0730MST			0	0			Lightning
		LIGHTNING STRIKE CAUSE HOUSE FIRE							
Lawrence County 7 SW Deadwood	23	1320MST			0	0			Hail (1.25)
Mellette County Countywide	24 25	2000MST 0620MST			0	0			Heavy Rain
		2.5 TO 7 INCHES OF RAIN OVERNIGHT CAUSED SOME MINOR FLOODING PROBLEMS.							
Tripp County Countywide	24 25	2000MST 0620MST			0	0			Heavy Rain
	" "	" "							

### **WYOMING, Northeast**

Campbell County 26 W Wright	01	1700MST 1800MST			0	0			Flash Flood
		HEAVY RAINS OF SIX INCHES IN AN HOUR CAUSED FLOODING ALONG HIGHWAY #387.							
Campbell County 26 W Wright	01	1800MST			0	0			Hail (1.75)
Campbell County 26 W Wright	01	2015MST			0	0			Flash Flood
		HEAVY RAINS CAUSED A STOCK DAM TO BREACH ON THE IBERLAND RANCH, FLOODING HIGHWAY #387.							
Campbell County Gillette	02	1754MST			0	0			Hail (1.75)
Weston County 5 N Four Corners	02	1808MST			0	0			Hail (1.00)
Campbell County Gillette	02	1820MST			0	0			Hail (1.75)



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

### WYOMING, Northeast

#### Weston County

##### Four Corners

02 1845MST 0 0 Flash Flood  
A STATIONARY STORM PRODUCED SEVERAL INCHES OF RAIN, CAUSING OIL CREEK TO FLOOD. OIL CREEK ROAD WAS WASHED OUT IN SEVERAL PLACES.

#### Campbell County

##### 18 SSW Gillette

02 2000MST 0 0 Flash Flood  
FLOOD WATERS COVERED HIGHWAY 50 BETWEEN MILE MARKERS 16 AND 20.

#### Campbell County

##### Gillette Arpt

03 2131MST 0 0 Thunderstorm Wind (G64)

#### Campbell County

##### 14 N Recluse

04 1605MST 0 0 Hail (1.00)

#### Campbell County

##### 1 NE Rockypoint

05 1900MST 0 0 Hail (1.75)

#### Crook County

##### 5 N Sundance

18 1400MST 0 0 Lightning  
LIGHTNING CAUSED A .5 ACRE FIRE OF PINE TREES AND GRASS.

#### Campbell County

##### 2 N Gillette

19 1625MST 0 0 Thunderstorm Wind (G69)

#### Weston County

##### Upton

24 0610MST 0 0 Flash Flood  
0710MST  
HEAVY RAIN OF 3.5 INCHES IN ONE HOUR CAUSED MINOR FLOODING.



# National Weather Service

## Storm Data and Unusual Weather Phenomena



October 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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### SOUTH DAKOTA, West

SDZ024-028	Northern Black Hills - Central Black Hills	04 0700MST			0	0			Heavy Snow
		05 1600MST							
	Ten to 25 inches of snow fell over the northern and central Black Hills. Deadwood reported 36"; Lead measured 42"; and Galena received 48" of snow.								

SDZ013-026-030-030>031	Meade Co. Plains - Central Foot Hills - Custer Plains - Pennington Plains	04 2000MST			0	0			High Wind (G65)
		05 1000MST							

SDZ024-028	Northern Black Hills - Central Black Hills	16 1700MST			0	0			Heavy Snow
		17 0800MST							
	Six to ten inches of snow fell over the northern Black Hills and extreme western Pennington County. Lead measured 17.7 inches of snow.								

### WYOMING, Northeast

WYZ057	Wyoming Black Hills	04 1300MST			0	0			Heavy Snow
		05 1600MST							
	Ten to 20 inches of snow fell over the Black Hills.								

WYZ057	Wyoming Black Hills	16 1700MST			0	0			Heavy Snow
		17 0700MST							
	Six to eight inches of snow fell over the Black Hills.								



# National Weather Service

## Storm Data and Unusual Weather Phenomena



November 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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### SOUTH DAKOTA, West

**SDZ026-028>029-031-044-046** Central Foot Hills - Central Black Hills - Southern Black Hills - Pennington Plains - Bennett - Mellette

05	2200MST	0	0	Winter Storm
07	1200MST			

Portions of Southwestern South Dakota received 6 to 10 inches of snow. Martin received 12 inches of snow in less than 12 hours.

**SDZ001>002-012>013-026-029-032-041-044-049** Harding - Perkins - Butte - Meade Co. Plains - Central Foot Hills - Southern Black Hills - Haakon - Fall River Co. - Bennett - Tripp

08	1700MST	0	0	Winter Storm
10	1600MST			

This was the second winter storm in four days. Snowfall amounts ranges from 5 to 9 inches with the highest amounts reported near the central and southern foothills of the Black Hills. Strong northwest winds of 30 mph to nearly 50 mph created blowing and drifting snow which created travel problems. Several accidents were reported in Rapid City, although none were serious or involved injuries. Many areas schools were closed for the two days covered by this storm system.

**SDZ001-013>014-024>026-031>032-042>043** Harding - Meade Co. Plains - Ziebach - Northern Black Hills - Northern Foot Hills - Central Foot Hills - Pennington Plains - Haakon - Shannon - Jackson

22	1522MST	0	0	High Wind (G75)
	1940MST			

Strong northwest winds from 55 to 86 mph were reported through the region following a cold frontal passage. Winds gusted high right at the front moved through and then decreased into the 25 to 45 mph range for another one to two hours in some areas.

### WYOMING, Northeast

**WYZ054-056>057** Gillette - Moorcroft - Wyoming Black Hills

22	1430MST	0	0	High Wind (G52)
	1530MST			

Strong northwest winds gusted up to 60 mph after a cold frontal passage. The winds remained strong for nearly an hour after the front came through.